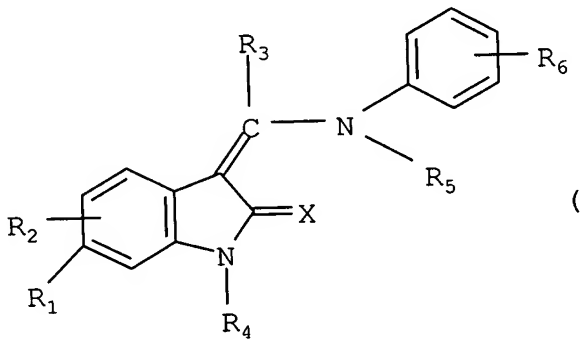
CLEAN SET OF NEW CLAIMS

--13(New). A compound of the formula (I):



(I),

wherein:

X denotes an oxygen or sulphur atom;

R_1 denotes a C_{2-3}-alkenyl, C_{2-3}-alkynyl, aryl, aryl-C_{1-3}-alkyl, heteroaryl, heteroaryl-C_{1-3}-alkyl, trifluoromethyl or cyano group,

a hydroxy, C_{1-3}-alkoxy, hydroxy-C_{1-3}-alkyl, C_{1-3}-alkoxy-C_{1-3}-alkyl, aryloxy or heteroaryloxy group,

a mercapto, C_{1-3}-alkylsulphenyl, phenylsulphenyl, benzylsulphenyl, C_{1-3}-alkylsulphinyl, phenylsulphinyl, benzylsulphinyl, C_{1-3}-alkylsulphonyl, phenylsulphonyl, benzylsulphonyl, sulpho, C_{1-3}-alkoxysulphonyl, phenoxysulphonyl or benzyloxysulphonyl group,

an amino, C_{1-3}-alkylamino, di-(C_{1-3}-alkyl)-amino, hydroxycarbonyl-C_{1-3}-alkylamino, N-(C_{1-3}-alkyl)-hydroxycarbonyl-C_{1-3}-alkylamino, C_{1-3}-alkoxycarbonyl-C_{1-3}-alkylamino, N-(C_{1-3}-alkyl)-C_{1-3}-alkoxycarbonyl-C_{1-3}-alkylamino, phenylamino, N-phenyl-C_{1-3}-alkylamino, N,N-diphenylamino, benzylamino, N-benzyl-C_{1-3}-alkylamino, N,N-dibenzylamino, C_{1-3}-alkylcarbonylamino, benzoylamino, benzylcarbonylamino group or an N-

(C_{1-3}-alkyl)-C_{1-3}-alkylcarbonylamino group wherein the two alkyl groups are optionally replaced by a C_{2-5}-n-alkylene bridge or wherein one or both alkyl groups are optionally replaced by a phenyl or benzyl group,

a C_{1-3}-alkylsulphonylamino, phenylsulphonylamino or benzylsulphonylamino group or an N-(C_{1-3}-alkyl)-C_{1-3}-alkylsulphonylamino group wherein the two alkyl groups are optionally replaced by a C_{2-5}-n-alkylene bridge or wherein one or both alkyl groups are optionally replaced by a phenyl or benzyl group,

an aminosulphonyl, C_{1-3}-alkylaminosulphonyl, phenylaminosulphonyl, benzylaminosulphonyl, di-(C_{1-3}-alkyl)-aminosulphonyl, N,N-diphenyl-aminosulphonyl or N,N-dibenzyl-aminosulphonyl group,

a phosphono, (C_{1-3}-alkoxy)PO(H), (C_{1-3}-alkoxy)PO(C_{1-3}-alkyl), (C_{1-3}-alkoxy)PO(OH), di-(C_{1-3}-alkoxy)-PO or (C_{2-4}-n-alkylenedioxy)-PO group,

a ureido group optionally mono-, di- or trisubstituted by C_{1-3}-alkyl groups,

a 4- to 7-membered cycloalkyleneimino or cycloalkyleneiminosulphonyl group, wherein in each case the methylene group in the 4 position of a 6- or 7-membered cycloalkyleneimino group is optionally replaced by an oxygen or sulphur atom, by a sulphinyl, sulphonyl, -NH or -N(C_{1-3}-alkyl) group;

R_2 denotes a hydrogen, fluorine, chlorine, bromine or iodine atom,

a C_{1-6}-alkyl or trifluoromethyl group,

a hydroxy, C_{1-3}-alkoxy, mercapto, C_{1-3}-alkylsulphenyl, C_{1-3}-alkylsulphinyl, C_{1-3}-alkylsulphonyl, sulpho, C_{1-3}-alkoxysulphonyl, aminosulphonyl, C_{1-3}-alkylaminosulphonyl or di-(C_{1-3}-alkyl)-aminosulphonyl group,

a nitro, amino, C_{1-3}-alkylamino or di-(C_{1-3}-alkyl)-amino group,

a C_{1-3}-alkylcarbonyl, cyano, carboxy, C_{1-3}-alkoxycarbonyl, aminocarbonyl, C_{1-3}-alkylaminocarbonyl or di-(C_{1-3}-alkyl)-aminocarbonyl group,

a phosphono, (C_{1-3}-alkoxy)PO(H), (C_{1-3}-alkoxy)PO(C_{1-3}-alkyl), (C_{1-3}-alkoxy)PO(OH) or di-(C_{1-3}-alkoxy)-PO group,

a 4- to 7-membered cycloalkyleneimino, cycloalkyleneiminocarbonyl or cycloalkyleneiminosulphonyl group, wherein in each case the methylene group in the 4 position of a 6- or 7-membered cycloalkyleneimino group is optionally replaced by an oxygen or sulphur atom, by a sulphinyl, sulphonyl, -NH or -N(C_{1-3}-alkyl) group, or

R_1 and R_2 together denote a methylenedioxy, ethylenedioxy, n-propylene, n-butylene or 1,4-butadienylene group;

R_3 denotes a hydrogen atom, denotes a C_{1-6}-alkyl, C_{3-7}-cycloalkyl, trifluoromethyl or heteroaryl group,

a phenyl or naphthyl group optionally mono- or disubstituted by a fluorine, chlorine, bromine or iodine atom, by a trifluoromethyl, C_{1-3}-alkyl or C_{1-3}-alkoxy group, wherein if the phenyl or naphthyl group are disubstituted the substituents are identical or different and are optionally substituted by:

a hydroxy, hydroxy-C_{1-3}-alkyl or C_{1-3}-alkoxy-C_{1-3}-alkyl group,

by a cyano, cyano-C_{1-3}-alkyl, cyano-C_{2-3}-alkenyl, cyano-C_{2-3}-alkynyl, carboxy, carboxy-C_{1-3}-alkyl, carboxy-C_{2-3}-alkenyl, carboxy-C_{2-3}-alkynyl, C_{1-3}-alkoxycarbonyl, C_{1-3}-alkoxycarbonyl-C_{1-3}-alkyl, C_{1-3}-alkoxycarbonyl-C_{2-3}-alkenyl or C_{1-3}-alkoxycarbonyl-C_{2-3}-alkynyl group,

by a C_{1-3}-alkylcarbonyl, C_{1-3}-alkylcarbonyl-C_{1-3}-alkyl, C_{1-3}-alkylcarbonyl-C_{2-3}-alkenyl or C_{1-3}-alkylcarbonyl-C_{2-3}-alkynyl group,

by an aminocarbonyl, aminocarbonyl-C_{1-3}-alkyl, aminocarbonyl-C_{2-3}-alkenyl, aminocarbonyl-C_{2-3}-alkynyl, C_{1-3}-alkylaminocarbonyl, C_{1-3}-alkylaminocarbonyl-C_{1-3}-alkyl, C_{1-3}-alkylaminocarbonyl-C_{2-3}-alkenyl, C_{1-3}-alkylaminocarbonyl-C_{2-3}-alkynyl, di-(C_{1-3}-alkyl)-aminocarbonyl, di-(C_{1-3}-alkyl)-aminocarbonyl-C_{1-3}-alkyl, di-(C_{1-3}-alkyl)-aminocarbonyl-C_{2-3}-alkenyl or di-(C_{1-3}-alkyl)-aminocarbonyl-C_{2-3}-alkynyl group,

by a nitro, nitro-C_{1-3}-alkyl, nitro-C_{2-3}-alkenyl or nitro-C_{2-3}-alkynyl group,

by an amino, C_{1-3}-alkylamino, di-(C_{1-3}-alkyl)-amino, amino-C_{1-3}-alkyl, C_{1-3}-alkylamino-C_{1-3}-alkyl or di-(C_{1-3}-alkyl)-amino-C_{1-3}-alkyl group,

by a C_{1-3}-alkylcarbonylamino, C_{1-3}-alkylcarbonylamino-C_{1-3}-alkyl, N-(C_{1-3}-alkyl)-C_{1-3}-alkylcarbonylamino, N-(C_{1-3}-alkyl)-C_{1-3}-alkylcarbonylamino-C_{1-3}-alkyl, C_{1-3}-alkylsulphonylamino, C_{1-3}-alkylsulphonylamino-C_{1-3}-alkyl, N-(C_{1-3}-alkyl)-C_{1-3}-alkylsulphonylamino or N-(C_{1-3}-alkyl)-C_{1-3}-alkylsulphonylamino-C_{1-3}-alkyl group,

by a 4- to 7-membered cycloalkyleneimino, cycloalkyleneiminocarbonyl, cycloalkyleneiminosulphonyl, cycloalkyleneimino-C_{1-3}-alkyl, cycloalkyleneiminocarbonyl-C_{1-3}-alkyl or cycloalkyleneiminosulphonyl-C_{1-3}-alkyl group, wherein in each case the methylene group in the 4 position of a 6- or 7-membered cycloalkyleneimino group is optionally replaced by an oxygen or sulphur atom, by a sulphinyl, sulphonyl, -NH or -N(C_{1-3}-alkyl) group, or by a heteroaryl or heteroaryl-C_{1-3}-alkyl group;

R_4 denotes a hydrogen atom, a C_{1-3}-alkyl group or a prodrug group;

R_5 denotes a hydrogen atom or a C_{1-3}-alkyl group and

R_6 denotes a hydrogen, fluorine, chlorine, bromine or iodine atom,

a trifluoromethyl or heteroaryl group, a C_{1-3}-alkoxy group optionally substituted by 1 to 3 fluorine atoms, an amino-C_{1-3}-alkoxy, C_{1-3}-alkylamino-C_{2-3}-alkoxy or benzylamino-C_{2-3}-alkoxy group, a cycloalkyleneimino-C_{2-3}-alkoxy group with 4 to 7 ring members, a di-(C_{1-3}-alkyl)-amino-C_{2-3}-alkoxy or C_{1-3}-alkylmercapto group,

a nitro, cyano, carboxy, C_{1-3}-alkoxycarbonyl, aminocarbonyl, C_{1-3}-alkylaminocarbonyl, di-(C_{1-3}-alkyl)-aminocarbonyl, piperidinocarbonyl or tetrazolyl group,

a C_{1-3}-alkylcarbonylamino group optionally substituted at the nitrogen atom by a C_{1-3}-alkyl group,

an imidazolyl or piperazino group optionally substituted at the imino group by a C_{1-3}-alkyl group,

a C_{1-4}-alkyl group, which may be terminally substituted

by a hydroxy, C_{1-3}-alkoxy, carboxy, C_{1-3}-alkoxycarbonyl, amino, C_{1-4}-alkylamino, di-(C_{1-4}-alkyl)-amino, phenylamino, N-phenyl-C_{1-3}-alkylamino, phenyl-n-C_{1-3}-alkylamino, N-(C_{1-3}-alkyl)-phenyl-n-C_{1-3}-alkyl-amino or di-(phenyl-n-C_{1-3}-alkyl)-amino group,

by a 4- to 7-membered cycloalkyleneimino group wherein

a methylene group linked to the imino group is optionally replaced by a carbonyl or sulphonyl group or

one or two hydrogen atoms is optionally replaced by a C_{1-3}-alkyl group and/or

in each case the methylene group in the 4 position of a 6- or 7-membered cycloalkyleneimino group is optionally substituted by a carboxy, C_{1-3}-alkoxycarbonyl, aminocarbonyl, C_{1-3}-alkylaminocarbonyl, di-(C_{1-3}-alkyl)-aminocarbonyl, phenyl-n-C_{1-3}-alkylamino or N-(C_{1-3}-alkyl)-phenyl-n-C_{1-3}-alkylamino group or

is optionally replaced by an oxygen or sulphur atom, by a sulphinyl, sulphonyl, -NH or -N(C_{1-3}-alkyl) group,

by a 5- to 7-membered cycloalkenyleneimino group wherein the double bond is isolated from the nitrogen atom,

by a C_{4-7}-cycloalkylamino, N-(C_{1-3}-alkyl)-C_{4-7}-cycloalkylamino or C_{5-7}-cycloalkenylamino group wherein position 1 of the ring is not involved in the double bond and wherein the nitrogen atom is optionally substituted by a C_{1-3}-alkyl group,

by a C_{1-3}-alkylcarbonylamino, N-(C_{1-3}-alkyl)-C_{1-3}-alkylcarbonylamino, aminocarbonyl, C_{1-3}-alkylaminocarbonyl or di-(C_{1-3}-alkyl)-aminocarbonyl group,

or R_6 denotes a group of formula

$$-N(R_a)-CO-(CH_2)_n-R_b \quad (II),$$

wherein

R_a denotes a C_{1-3}-alkyl group,

n one of the numbers 0, 1 or 2 and

R_b denotes an amino, C_{1-4}-alkylamino, phenylamino, N-(C_{1-4}-alkyl)-phenylamino, benzylamino, N-(C_{1-4}-alkyl)-benzylamino or di-(C_{1-4}-alkyl)-amino group or a 4- to 7-membered cycloalkyleneimino group, wherein in each case the methylene group in the 4 position of a 6- or 7-membered cycloalkyleneimino group is optionally replaced by an oxygen or sulphur atom, by a sulphinyl, sulphonyl, -NH or -N(C_{1-3}-alkyl) group,

a group of formula

$$-N(R_c)-(CH_2)_m-(CO)_o-R_d \quad (III),$$

wherein

R_c denotes a C_{1-3}-alkyl, C_{1-3}-alkylcarbonyl, arylcarbonyl, benzylcarbonyl, C_{1-3}-alkylsulphonyl, arylsulphonyl or benzylsulphonyl group,

m denotes one of the numbers 1, 2, 3 or 4,

o denotes one of the numbers 0 or 1 and

R_d has the meanings given for R_b hereinbefore or denotes a di-(C_{1-4}-alkyl)-amino-C_{1-3}-alkylamino group optionally substituted in the 1 position by a C_{1-3}-alkyl group,

or R_6 denotes an N-(C_{1-3}-alkyl)-C_{1-3}-alkylsulphonylamino group;

wherein any carboxy, amino or imino group present is optionally substituted by a group which can be cleaved in vivo,

or the physiologically acceptable salts and isomers thereof.

14 (New). The compound according to claim 13, wherein

X denotes an oxygen atom;

R_1 denotes a C_{1-3}-alkoxy, trifluoromethyl, di-(C_{1-3}-alkyl)-amino, pyrrolidino or pyrrolo group,

an amino or C_{1-3}-alkylamino group wherein an amino-hydrogen atom is optionally replaced by a C_{1-3}-alkylcarbonyl, phenyl-C_{1-3}-alkylcarbonyl, benzoyl, aminocarbonyl, C_{1-3}-alkylsulphonyl, phenylsulphonyl, carboxy-C_{1-3}-alkyl or C_{1-3}-alkyloxycarbonyl-C_{1-3}-alkyl group, or

a phenyl group optionally substituted by a C_{1-3}-alkyl group;

R_2 denotes a hydrogen atom or a C_{1-3}-alkoxy group or

R_1 and R_2 together denote a methylenedioxy group;

R_3 denotes a C_{1-3}-alkyl or phenyl group or a phenyl group substituted by a cyano, amino-C_{1-3}-alkyl or N-(C_{1-3}-alkanoyl)-amino-C_{1-3}-alkyl group;

R_4 denotes a hydrogen atom;

R_5 denotes a hydrogen atom and

R_6 denotes a hydrogen, fluorine, chlorine, bromine or iodine atom,

a trifluoromethyl, 4-(C_{1-3}-alkyl)-piperazino, pyridinyl, imidazolyl, tetrazolyl, C_{1-3}-alkoxy or C_{1-3}-alkylmercapto group,

a nitro, cyano, carboxy or C_{1-3}-alkyloxycarbonyl group or a C_{1-3}-alkylcarbonylamino group optionally substituted at the nitrogen atom by a C_{1-3}-alkyl group,

a piperidinocarbonyl group or an aminocarbonyl group optionally substituted by one or two C_{1-3}-alkyl groups,

a C_{1-3}-alkyl group optionally terminally substituted

by an amino, C_{1-4}-alkylamino, di-(C_{1-4}-alkyl)-amino, phenylamino, N-phenyl-C_{1-3}-alkylamino, phenyl-n-C_{1-3}-alkylamino, N-(C_{1-3}-alkyl)-phenyl-n-C_{1-3}-alkylamino or di-(phenyl-n-C_{1-3}-alkyl)-amino group, by a pyrrolidino, piperidino, hexamethyleneimino, morpholino, thiomorpholino, 1-oxido-thiomorpholino or piperazino group wherein the piperidino group may additionally be substituted by one or two C_{1-3}-alkyl groups or by a carboxy, C_{1-3}-alkoxycarbonyl, aminocarbonyl, C_{1-3}-alkylaminocarbonyl- di-(C_{1-3}-alkyl)-aminocarbonyl or N-(C_{1-3}-alkyl)-phenyl-n-C_{1-3}-alkylamino group,

by a C_{5-7}-cycloalkylamino or C_{5-7}-cycloalkenylamino group wherein position 1 of the ring is not involved in the double bond,

by a C_{1-3}-alkylcarbonylamino, N-(C_{1-3}-alkyl)-C_{1-3}-alkylcarbonylamino, carboxy, C_{1-3}-alkoxycarbonyl, aminocarbonyl, C_{1-3}-alkylaminocarbonyl or di-(C_{1-3}-alkyl)-aminocarbonyl group,

a C_{1-3}-alkoxy group, which is terminally substituted by an amino, C_{1-3}-alkylamino or di-(C_{1-3}-alkyl)-amino group,

a group of formula

$$-N(R_a)-CO-(CH_2)_n-R_b \quad (II),$$

wherein

R_a denotes a C_{1-3}-alkyl group,
n denotes one of the numbers 0, 1 or 2 and
R_b denotes an amino, C_{1-4}-alkylamino or di-(C_{1-4}-alkyl)-amino group or a pyrrolidino, piperidino, hexamethyleneimino, morpholino, thiomorpholino, 1-oxido-thiomorpholino or piperazino group,

a group of formula

$$-N(R_c)-(CH_2)_m-(CO)_o-R_d \quad (III),$$

wherein

R_c denotes a C_{1-3}-alkyl, C_{1-3}-alkylcarbonyl or C_{1-3}-alkylsulphonyl group,
m denotes one of the numbers 1, 2, 3 or 4,
o denotes one of the numbers 0 or 1 and

R_d has the meanings given for R_b hereinbefore or denotes a di-(C_{1-4}-alkyl)-amino-C_{1-3}-alkylamino group optionally substituted in the 1 position by a C_{1-3}-alkyl group,

or R_6 denotes an N-(C_{1-3}-alkyl)-C_{1-3}-alkylsulphonylamino group.

15 (New). The compound according to claim 13, wherein

X denotes an oxygen atom;

R_1 denotes a methoxy, ethoxy, trifluoromethyl, phenyl, methylphenyl, dimethylamino, pyrrolidino or pyrrolo group,

an amino group which is optionally substituted by a methyl, carboxymethyl, methoxycarbonylmethyl, acetyl, phenylacetyl, benzoyl, methanesulphonyl, benzenesulphonyl or aminocarbonyl group;

R_2 denotes a hydrogen atom, a methoxy or ethoxy group or

R_1 and R_2 together denote a methylenedioxy group;

R_3 denotes an ethyl group or a phenyl group optionally substituted by a cyano, aminomethyl or N-acetyl-aminomethyl group;

R_4 denotes a hydrogen atom;

R_5 denotes a hydrogen atom and

R_6 denotes a hydrogen, fluorine, chlorine, bromine or iodine atom,

a methyl, trifluoromethyl, methoxy, ethoxy, methylmercapto, cyano, carboxy, methoxycarbonyl, ethoxycarbonyl, aminocarbonyl, dimethylaminocarbonyl, piperidinocarbonyl, nitro, 4-methyl-piperazino, imidazolyl, pyridinyl or tetrazolyl group,

an ethyloxy or n-propyloxy group terminally substituted by a dimethylamino group,

a methyl or ethyl group substituted by a carboxy, methoxycarbonyl, ethoxycarbonyl, aminocarbonyl or dimethylaminocarbonyl group,

a C_{1-3}-alkyl group, which is optionally terminally substituted

by an amino, C_{1-4}-alkylamino, cyclohexylamino, benzylamino or phenylamino group wherein a hydrogen atom of the amino-nitrogen atom is optionally replaced in each case by a C_{1-3}-alkyl, benzyl, acetyl or dimethylaminocarbonyl group,

by a piperidino group optionally substituted by one or two methyl groups,

by a piperidino group substituted by a carboxy, methoxycarbonyl, ethoxycarbonyl or dimethylaminocarbonyl group,

by a pyrrolidino, 3,4-dehydro-piperidino, hexamethyleneimino, morpholino, thiomorpholino, 1-oxo-thiomorpholino or piperazino group,

a C_{1-3}-alkylamino group wherein the hydrogen atom of the amino-nitrogen atom is replaced

by an ethyl or n-propyl group, each of which is terminally substituted by a dimethylamino group,

by a C_{2-3}-alkanoyl group which is optionally substituted in the 2 or 3 position by an amino, C_{1-3}-alkylamino, di-(C_{1-3}-alkyl)-amino, pyrrolidino, piperidino, morpholino or piperazino group,

by an aminocarbonyl, methylaminocarbonyl, dimethylaminocarbonyl, piperidinocarbonyl or methanesulphonyl group,

wherein the C_{1-3}-alkyl moiety of the C_{1-3}-alkylamino group is further optionally substituted

by an aminocarbonyl group,

by a C_{1-3}-alkylaminocarbonyl or di-(C_{1-3}-alkyl)-aminocarbonyl group wherein a C_{2-3}-alkyl moiety may additionally be terminally substituted by a dimethylamino group,

by a pyrrolidinocarbonyl, piperidinocarbonyl, morpholinocarbonyl or piperazinocarbonyl group,

and wherein the C_{2-3}-alkyl moiety of the abovementioned C_{1-3}-alkylamino group is also further optionally terminally substituted by an amino, C_{1-3}-alkylamino, di-(C_{1-3}-alkyl)-amino, pyrrolidino, piperidino, morpholino or piperazino group.

16 (New). The compound according to claim 15,
wherein
R_2 denotes a hydrogen atom.

17 (New). The compound according to claim 14,
wherein

R_1 and R_2, which are identical or different, each denote a C_{1-3}-alkoxy group.

18 (New). The compound according to claim 13, wherein

X denotes an oxygen atom;

R_1 denotes an amino, methoxy or ethoxy group;

R_2 denotes a hydrogen atom or in position 5 a methoxy or ethoxy group;

R_3 denotes a methyl, ethyl or phenyl group;

R_4 and R_5 each denote a hydrogen atom and

R_6 denotes a methyl or ethyl group substituted by a methylamino, ethylamino, piperidino or 4-(dimethylaminocarbonyl)-piperidino group, wherein the amino-hydrogen atom of the methylamino- and ethylamino group is replaced by a methyl or benzyl group, an N-dimethylaminomethylcarbonyl-N-methyl-amino group or an N-acetyl-N-(C_{2-3}-alkyl)-amino group wherein the C_{2-3}-alkyl moiety in each case is terminally substituted by a dimethylamino group.

19 (New). A compound chosen from

(a) 3-(Z)-{1-[4-(piperidin-1-yl-methyl)-anilino]-1-phenyl-methylidene}-5,6-dimethoxy-2-indolinone,

(b) 3-(Z)-(1-{4-[(N-benzyl-N-methyl-amino)-methyl]-anilino}-1-phenyl-methylidene)-5,6-dimethoxy-2-indolinone,

(c) 3-(Z)-{1-(4-(dimethylamino-methyl)-anilino]-1-phenyl-methylidene}-5,6-dimethoxy-2-indolinone,

(d) 3-(Z)-{1-[4-(N-dimethylaminomethylcarbonyl-N-methyl-amino)-anilino]-1-phenyl-methylidene}-5,6-dimethoxy-2-indolinone,

(e) 3-(Z)-(1-{4-[2-(4-dimethylcarboxamide-piperidin-1-yl)-ethyl]-anilino}-1-phenyl-methylidene)-5,6-dimethoxy-2-indolinone,

(f) 3-(Z)-{1-[4-(N-dimethylaminomethylcarbonyl-N-methyl-amino)-anilino]-1-ethyl-methylidene}-5,6-dimethoxy-2-indolinone and

(g) 6-amino-3-(Z)-{1-[4-(piperidin-1-yl-methyl)-anilino]-1-phenyl-methylidene}-2-indolinone,

(h) 3-(Z)-(1-{4-[N-acetyl-N-(2-dimethylamino-ethyl)-amino]-anilino}-1-phenyl-methylidene)-5,6-dimethoxy-2-indolinone and

(i) 3-(Z)-(1-{4-[N-acetyl-N-(3-dimethylamino-propyl)-amino]-anilino}-1-phenyl-methylidene)-5,6-dimethoxy-2-indolinone

or the physiologically acceptable salts and isomers thereof.

20 (New). A pharmaceutical composition comprising a therapeutically effective amount of a compound according to claim 13 and one or more inert carriers and/or diluents.

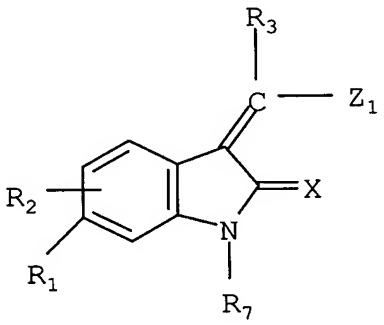
21 (New). A method of treating excessive or anomalous cell proliferation in a patient in need of such treatment comprising administering to said patient a therapeutically effective amount of a compound according claim 13.

22 (New). A method of treating tumours in a patient in need of such treatment comprising administering to said patient a therapeutically effective amount of a compound according claim 13.

23.(New). A method of treating haemangiomas, metastasisation, rheumatoid arthritis, psoriasis, ocular neovascularisation or diabetic retinopathy, comprising administering to a patient in need thereof a therapeutically effective amount of a compound according claim 13.

24 (New). A process for preparing a compounds of the formula (I) according to claim 13 comprising:

a. reacting under suitable conditions a compound of the formula (IV)



(IV),

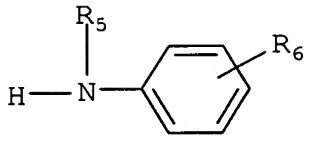
wherein

X and R_1 to R_3 are defined as in claim 13,

R_7 denotes a hydrogen atom, a protecting group for the nitrogen atom of the lactam group or a bond to a solid phase and

Z_1 denotes a halogen atom, a hydroxy, alkoxy or arylalkoxy group,

with an amine of the formula (V)



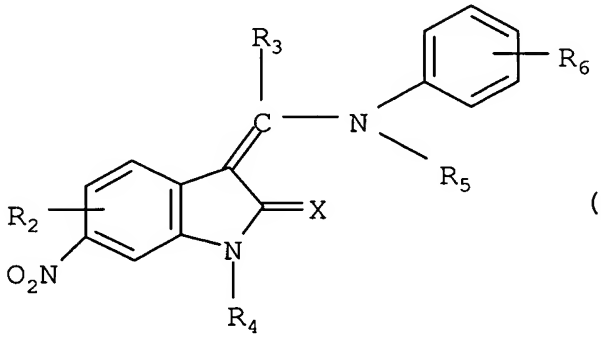
(V),

wherein

R_5 and R_6 are defined as in claim 1, and optionally cleaving a protecting group used for the nitrogen atom of the lactam group or a compound thus obtained is cleaved from a solid phase,

or

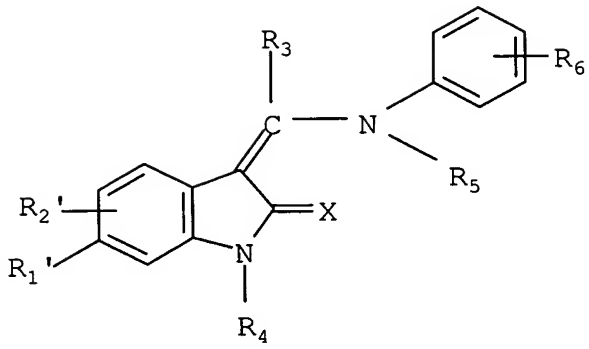
b. in order to prepare a compound of the formula (I)wherein R_1 denotes an amino group, reducing under suitable conditions a compound of the formula (VI)



(VI),

or

c. in order to prepare a compound of the formula (I) wherein R_1 and/or R_2 denotes one of the substituted sulphinyl or sulphonyl groups mentioned in claim 13,
oxidizing a compound of the formula (VII)



(VII),

wherein

R_3 to R_6 are defined as in claim 13 and

one of the groups R_1' and R_2' denotes one of the substituted mercapto or sulphinyl groups mentioned for R_1 and R_2 in claim 13 and the other assumes the meanings given for R_1 or R_2 in claim 13 with the exception of the mercapto or sulphinyl groups or both groups R_1' and R_2' denote one of the substituted mercapto or sulphinyl groups mentioned for R_1 and R_2 in claim 13,

and

subsequently, optionally hydrolizing a compound of general formula I thus obtained which contains an alkoxycarbonyl group into a corresponding carboxy compound or

converting a compound of the formula (I) thus obtained which contains an amino or alkylamino group by alkylation or reductive alkylation into a corresponding alkylamino, dialkylamino or pyrrolidino compound or

acylating a compound of the formula (I) thus obtained which contains an amino or alkylamino group into a corresponding acyl compound or

sulphonating a compound of the formula (I) thus obtained which contains an amino or alkylamino group into a corresponding sulphonyl compound or

condensing a compound of the formula (I) thus obtained which contains an amino group into a corresponding pyrrolo compound or

converting a compound of the formula (I) thus obtained which contains a carboxy group by esterification or amidation into a corresponding ester or aminocarbonyl compound or

reducing a compound of the formula (I) thus obtained which contains a cyano group into a corresponding aminomethyl compound or

converting a compound of the formula (I) thus obtained which contains an amino or alkylamino group by reaction with cyanic acid or a corresponding isocyanate into a corresponding ureido compound

and

optionally cleaving any protecting group used to protect reactive groups during the reactions or
optionally resolving into the stereoisomers thereof a compound of the formula (I) or optionally converting a compound of the formula (I) thus obtained is into the physiologically acceptable salts thereof with an inorganic or organic acid or base and subsequently isolating the product compound.--